TO: Those Listed

DEPT. NO.

FROM: J. J. Hary

DEPT. NO. 596-650S PHONE 447

Avoid Verbal Orders

INTER-OFFICE CORRESPONDENCE

SUBJECT: F.R.S., Supplement #1, Addendum #5 DATE 5-4-55

The attached FRS Supplement #1, Addendum #5, authorizes the change in design criteria affecting the structural requirements of the Coco Control House.

These changes represent an increase in equivalent static pressure compared to that established for the Bravo Control House as follows:

Location	Bravo	Coco
Front Wall	450 psf	600 psf
Side walls	250 psf	300 psf
Rear wall	300 psf	300 psf
Roof	200 psf	300 psf

The change was deemed necessary because of the greater propellant volumes associated with the test stands in the Coco firing unit. Little and no increase is indicated in the side and rear walls respectively because the Coco control house location is isolated from the potential blast sources originating in the Alfa and Bravo firing units. Construction costs for the additional structural requirements is estimated at approximately $2500.00

J J Hary

J. J. Hary, Engineer-In-Charge

Area #2, Large Engines Unit, P.F.L.

FACILITY REQUIREMENT SPECIFICATIONS

Supplement #1

ADDENDUM #5

F.R.S.#1 TEST STAND STRUCTURES

3.2.2.1. Explosive Forces - Revise second sentence to read: The magnitude of the possible blast shall be estimated on the basis of explosive forces associated with 15,000 pounds of T.N.T. resulting in the following blast forces, which are to be considered in addition to normal live loads and dead loads: Front wall equivalent to 600 psf static; side and rear walls equivalent to 300 psf static; roof equivalent to 300 psf static. The maximum permissible working stresses in the structural elements under blast load are: Steel, Yield Point; Concrete, 50% increase over normal working stresses. Provision shall also be made for protection from shrapnel.

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Distribution:

	W. J. Brennan	596-18MS	C. C. Davenport	596-1MS	E. S. Hutmacher	596-55SS
	J. A. Broadston	596-50SS	T. F. Dixon	596-1MS	J. F. Kelley	564 Slauson
	I. P. Brown	596-1MS	R. R. Doubleday	596-55SS	A. C. Kramer	596-19MS
	R. F. Byrns	564 MS	J. C. Finger	596-55SS	R. J. Lodge	596-60SS
PB	A. T. Bruschi	596-65SS	R. S. Greenwald	596-51SS	J. P. MacNamara	364-63D
	T. V. Carpenter	564MS	L. H. Groeper	596-55SS	T. E. Myers	596-50SS
	E. Cartotto	596-55SS	J. J. Hary	596-65SS	H. G. Nelson	596-65SS
	H. L. Caudle	51 SS	D. W. Hege	596-1 MS	E. M. Philpot	564 MS
WJC	W. J. Cecka	596-60SS	M. K. Henry	596-1 MS	N. C. Reuel	596-53SS
	L. J. Clarke	352 SS	S. K. Hoffman	597 MS	J. A. Stogsdill	564 MS
WDC	W. D. Crossland	596-65SS			P. R. Vogt	596-19 MS

4-25-55
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FACILITY REQUIREMENT SPECIFICATIONS

Supplement #1

ADDENDUM #6

F.R.S. #5 BUILDINGS AND ROADS

3.15 Incinerator - Service Area - An incinerator shall be provided to handle all waste from Area #2. It shall be of the forced draft type with mechanical charging and mechanical ash removal. Approximate capacity, 500 pounds per hour; approximate size, 8' x 12' x 8' high.

DBL

DBL:ch
5-2-55

Distribution:

W. J. Brennan	596-18MS	C. C. Davenport	596-1 MS	~~E. S.~~ Hutmacher	596-55SS
J. A. Broadston	596-50SS	T. F. Dixon	596-1 MS	J. F. Kelley	564 MS
I. P. Brown	596-1MS	R. R. Doubleday	596-55SS	A. C. Kramer	596-19MS
R. F. Byrns	564 MS	J. C. Finger	596-55SS	R. J. Lodge	596-60SS
ATB A. T. Bruschi	596-65SS	R. S. Greenwald	596-51SS	J. P. MacNamara	364-63D
T. V. Carpenter	564 MS	I. H. Groeper	596-55SS	T. E. Myers [illegible]	596-50SS
E. Cartotto	596-55SS	J. J. Hary	596-65SS	H. G. Nelson	596-65SS
H. L. Caudle	51 SS	D. J. Hege	596-1 MS	E. M. Philpot	564 MS
W. J. Cecka	596-60SS	M. M. Henry	596-1 MS	N. C. Reuel	596-53SS
L. J. Clarke	352 SS	S. K. Hoffman	597 MS	J. A. Stogsdill	564 MS
W.D.C. W. D. Crossland	596-65SS	C. Izenour	46 SS	P. R. Vogt	596-19 MS